

TITLE: Preparation of  
[(pyrimidinylloxy)phenyl]methoxypropenoates and related  
compounds as agrochemical fungicides

INVENTOR(S): Clough, John Martin; Godfrey, Christopher Richard  
Ayles; Streeting, Ian Thomas; Cheetham, Rex; De  
Fraine, Paul John; Bartholomew, David; Eshelby, James  
John

PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK

SOURCE: Eur. Pat. Appl., 57 pp.  
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

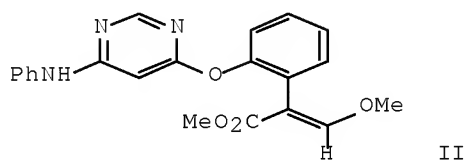
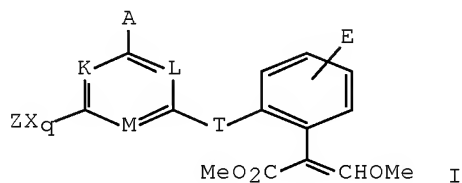
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 468695	A1	19920129	EP 1991-306512	19910717 <--
EP 468695	B1	19960911		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ZA 9105512	A	19920429	ZA 1991-5512	19910715 <--
IL 98830	A	19960131	IL 1991-98830	19910715 <--
AU 9180437	A	19920130	AU 1991-80437	19910716 <--
AU 632425	B2	19921224		
AT 142626	T	19960915	AT 1991-306512	19910717 <--
CA 2047510	A1	19920128	CA 1991-2047510	19910722 <--
HU 58299	A2	19920228	HU 1991-2441	19910722 <--
HU 212117	B	19960228		
CN 1060289	A	19920415	CN 1991-105782	19910724 <--
CN 1036519	C	19971126		
BR 9103225	A	19920526	BR 1991-3225	19910726 <--
KR 200936	B1	19990615	KR 1991-12964	19910727 <--
JP 05163249	A	19930629	JP 1991-212941	19910729 <--
JP 3041315	B2	20000515		
US 20030060626	A1	20030327	US 2002-87984	20020305 <--
US 6613773	B2	20030902		
US 20040092746	A1	20040513	US 2003-608698	20030627 <--
US 6777412	B2	20040817		
PRIORITY APPLN. INFO.:				
			GB 1990-16583	A 19900727 <--
			GB 1990-20748	A 19900924 <--
			GB 1991-15480	19910717 <--
			US 1991-736159	B1 19910726 <--
			US 1993-146822	B1 19931101 <--
			US 1995-486060	B1 19950607 <--
			US 2002-87984	A3 20020305 <--

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 116:214528

ED Entered STN: 31 May 1992

GI



AB Title compds. [I; any 2 of K, L, M = N, the other = CB; T = O, S; Z = (substituted) aryl, heterocyclyl; X = O, S, SO, SO<sub>2</sub>, COS, CS<sub>2</sub>, NR<sub>4</sub>N:CR<sub>1</sub>, N(CHO), NR<sub>4</sub>, CO, CR<sub>1</sub>R<sub>2</sub>, CO<sub>2</sub>, OCHR<sub>1</sub>CHR<sub>2</sub>, CR<sub>1</sub>:NO, COCO, CONR<sub>4</sub>, N:N, SCO, etc.; A,B,E = H, OH, halo, (halo)alkyl, (halo)alkoxy, alkylcarbonyl, alkoxy carbonyl, PhO, NO<sub>2</sub>, cyano; R<sub>1</sub>,R<sub>2</sub> = H, alkyl, Ph; R<sub>4</sub> = H, alkyl, COR<sub>1</sub>], were prepared Thus, formanilide was stirred 2 h with NaH in DMF; the mixture was cooled to 0° and Me E-2-[2-(6-methanesulfonylpyrimidin-4-yloxy)phenyl]-3-methoxypropenoate in DMF was added. The mixture was stirred 16 h to give 20% title compound II. II as a 0.05% spray gave complete control of Puccinia recordita, Erysiphe graminis hurdei, Venturia inaequalis, Plasmopara viticola, etc.

IC ICM C07D239-46

ICS C07D239-52; A01N043-54; C07D239-56; C07D403-04; C07D403-12

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT	141189-77-7P	141189-78-8P	141189-79-9P	141189-80-2P	141189-81-3P
	141189-82-4P	141189-83-5P	141189-84-6P	141189-85-7P	141189-86-8P
	141189-87-9P	141189-88-0P	141189-89-1P	141189-90-4P	141189-91-5P
	141189-92-6P	141189-93-7P	141189-94-8P	141189-95-9P	141189-96-0P
	141189-97-1P	141189-98-2P	141189-99-3P	141190-00-3P	141190-01-4P
	141190-02-5P	141190-03-6P	141190-04-7P	141190-05-8P	141190-06-9P
	141190-07-0P	141190-08-1P	141190-09-2P	141190-10-5P	141190-11-6P
	141190-12-7P	141190-13-8P	141190-14-9P	141190-15-0P	141190-16-1P
	141190-17-2P	141190-18-3P	141190-19-4P	141190-20-7P	141190-21-8P
	141190-22-9P	141190-23-0P	141190-24-1P	141190-25-2P	141190-26-3P
	141190-27-4P	141190-28-5P	141190-29-6P	141190-30-9P	141190-31-0P
	141190-32-1P	141190-33-2P	141190-34-3P	141190-35-4P	141190-36-5P
	141190-37-6P	141190-38-7P	141190-39-8P	141190-40-1P	141190-41-2P
	141190-42-3P	141190-43-4P	141190-44-5P	141190-45-6P	141190-46-7P
	141190-47-8P	141190-48-9P	<del>141190-49-0P</del>	141190-50-3P	
	141190-51-4P	141190-52-5P	141190-53-6P	141190-54-7P	141190-55-8P
	141206-50-0P				

RL: AGR (Agricultural use); ~~EAC (Biological activity or effector, except adverse)~~; BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as agrochem. fungicide)

IT ~~141190-49-0P~~

RL: AGR (Agricultural use); ~~BAC (Biological activity or effector, except adverse)~~; BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as agrochem. fungicide)

RN 141190-49-0 HCAPLUS

CN Benzeneacetic acid,  $\alpha$ -(methoxymethylene)-2-[(2-phenyl-4-pyrimidinyl)oxy]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

